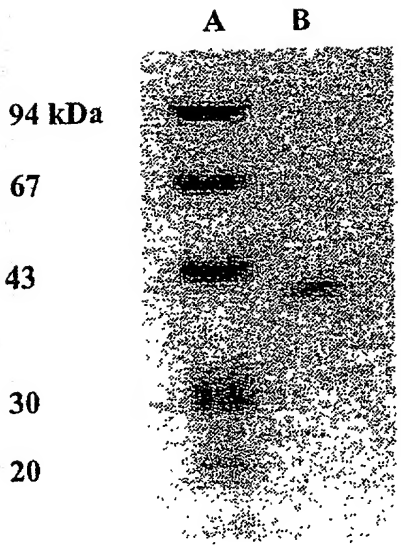
Figure 1



Replacement Sheet

Figure 2

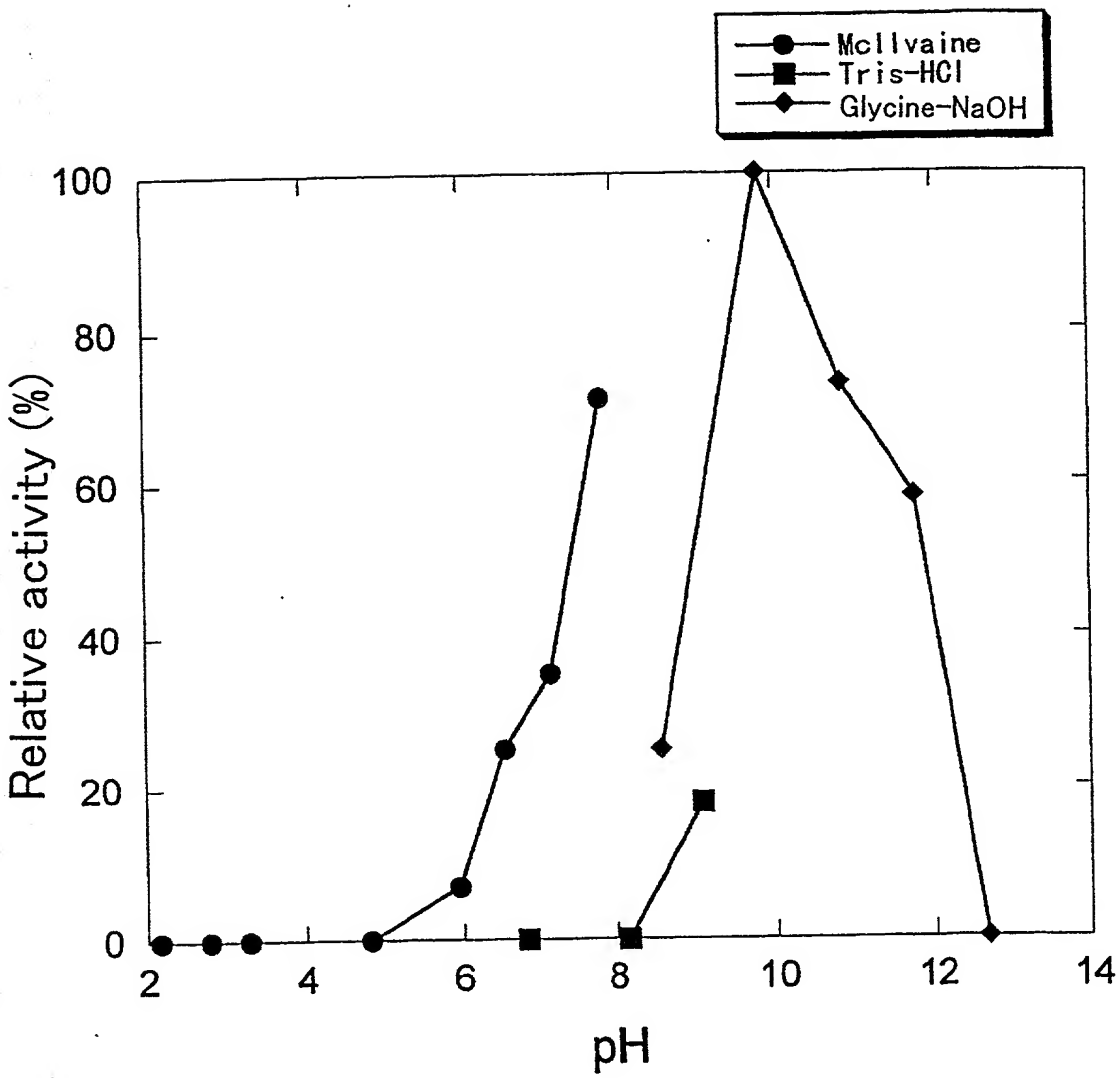

McIlvaine
Tris-HCl
Glycine-NaOH
Relative activity (%)
100
80
60
40
20
0
2
4
6
8
10
12
14
pH

Figure 3

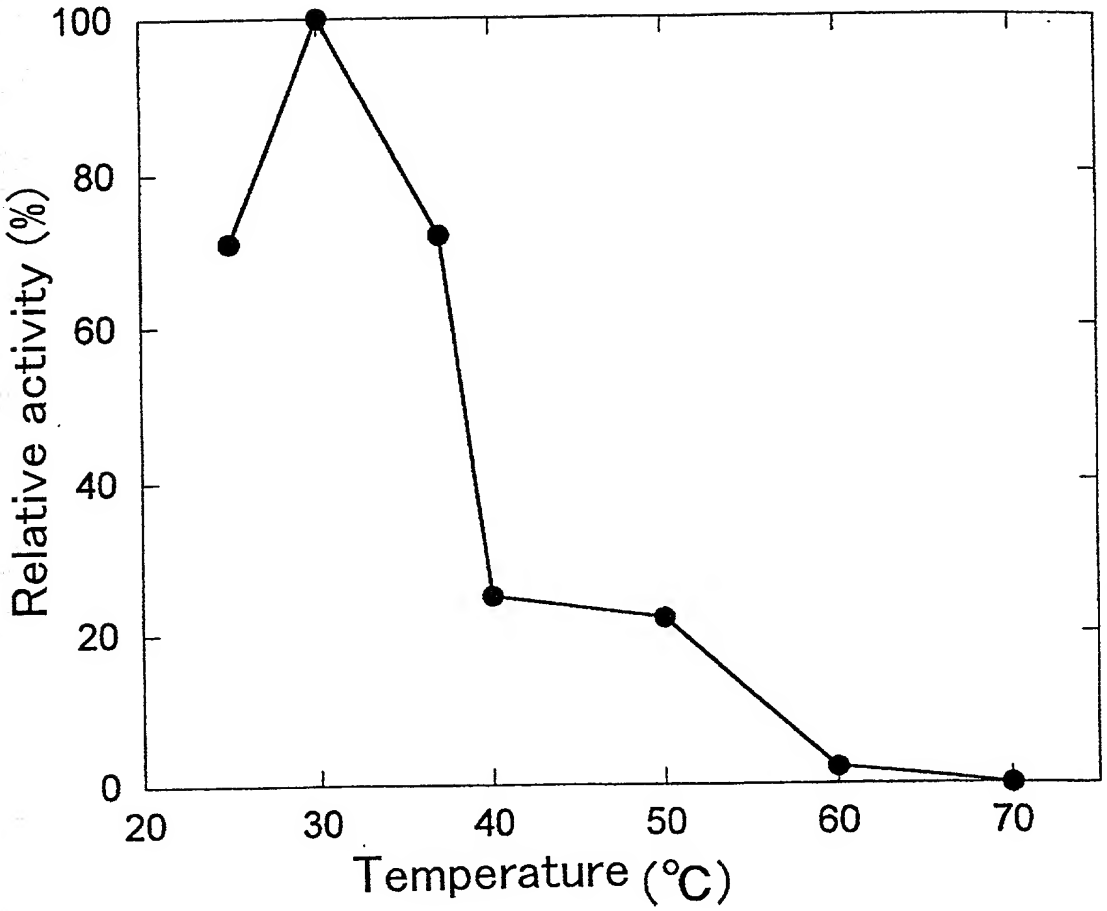

100
80
60
40
20
0
Relative activity (%)
20
30
40
50
60
70
Temperature (°C)

Figure 4

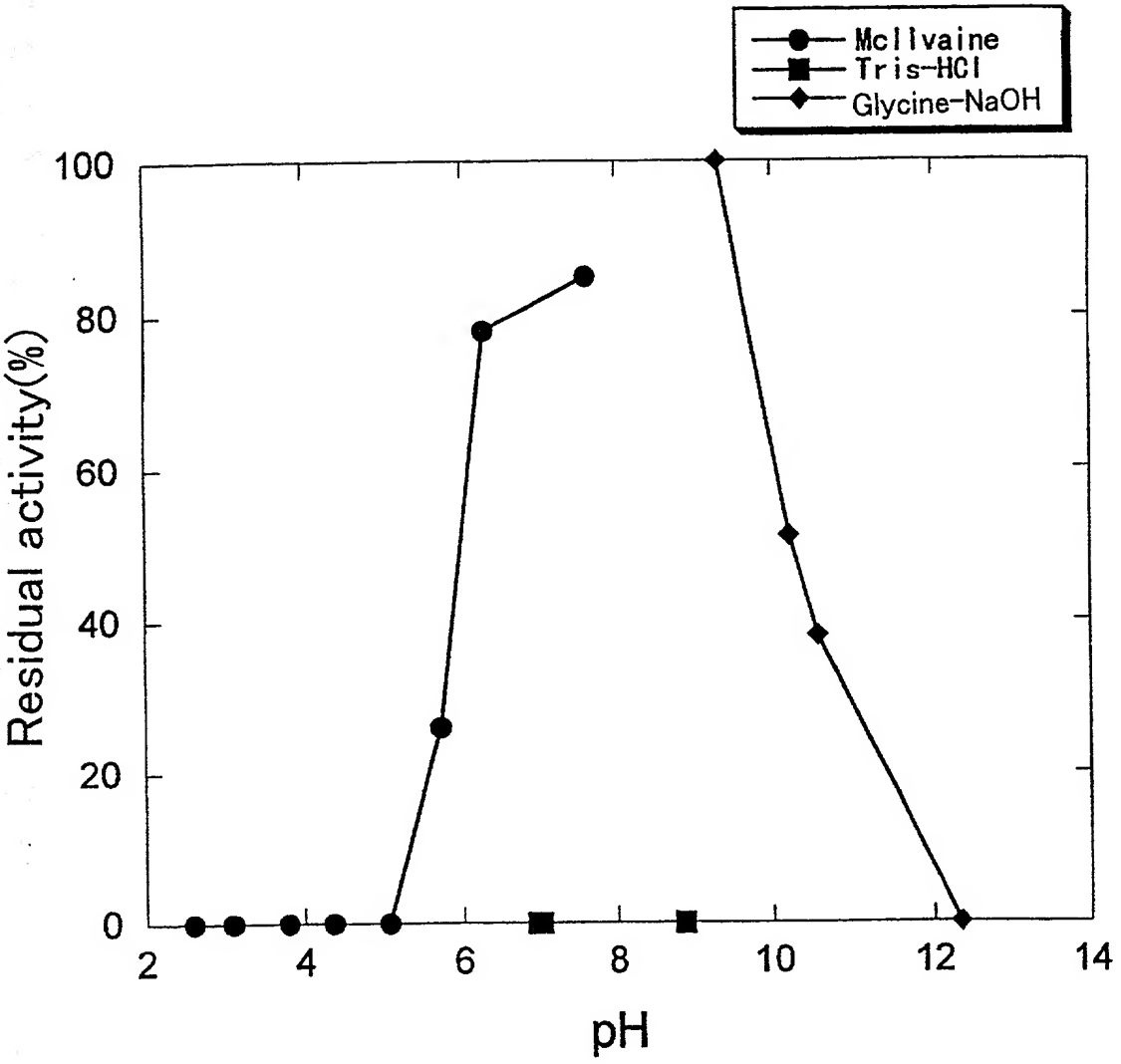

McIlvaine
Tris-HCl
Glycine-NaOH
Residual activity(%)
100
80
60
40
20
0
2
4
6
8
10
12
14
pH

Figure 5

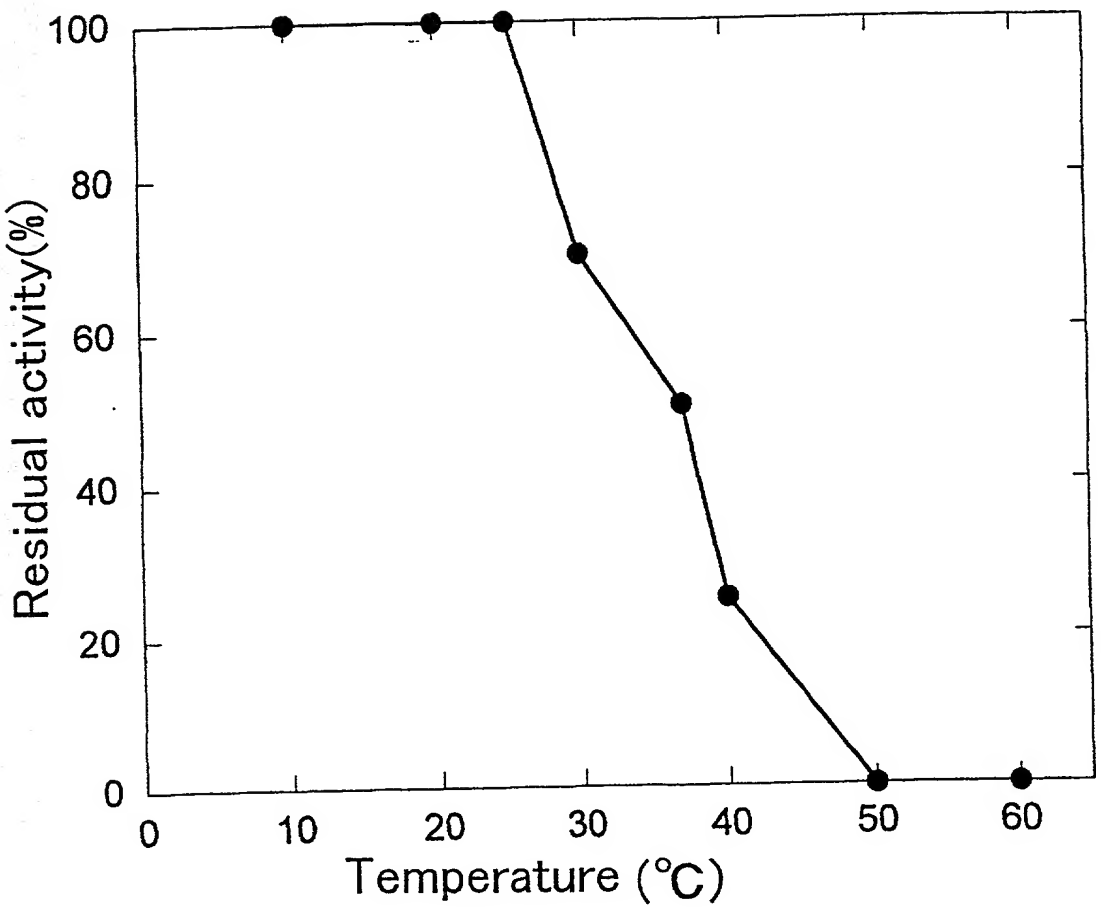
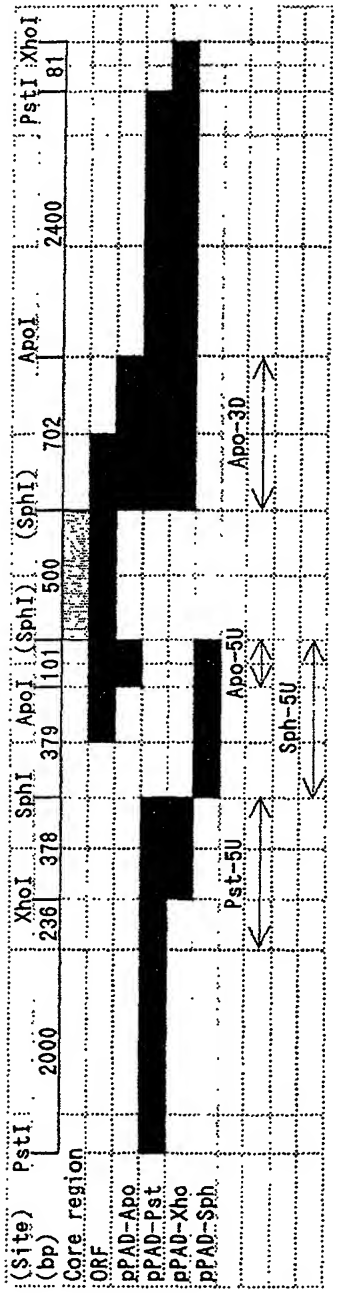

100
80
60
40
20
0
Residual activity(%)
0
10
20
30
40
50
60
Temperature (°C)

Figure 6


(Site)
(bp)
PstI
2000
XhoI
236
378
SphI
379
ApoI
101
(SphI)
500
(SphI)
702
ApoI
2400
PstI
XhoI
81
Core region
ORF
pPAD-Apo
pPAD-Pst
pPAD-Xho
pPAD-Sph
Pst-5U
Apo-5U
Sph-5U
Apo-3D